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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1669.0050001/EEF/RGMAPPLICATION NO.
09/864,291APPLICANT
Oko and SutovskyFILING DATE
May 25, 2001GROUP 1646
TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
CMK	AA1	5,672,488	09/30/1997	Dean	435	69.3	05/30/1995
	AB1	5,753,231	05/19/1998	Herr et al.	424	185.1	10/30/1995
	AC1	5,770,363	06/23/1998	Brown	435	6	06/07/1995
	AD1	5,843,754	12/01/1998	Susko-Parrish et al.	435	450	06/06/1995
	AE1	5,897,988	04/27/1999	Huszar	435	2	01/21/1998
	AF1	5,916,768	06/29/1999	Dean	435	69.3	05/23/1997
	AG1	5,945,577	08/31/1999	Stice et al.	800	24	01/10/1997
	AH1	5,952,222	09/14/1999	Rosenkrans, Jr. et al.	435	325	08/02/1997
	AI1	5,989,549	11/23/1999	Sullivan et al.	424	184.1	06/08/1998
	AJ1	5,989,550	11/23/1999	Harris et al.	424	185.1	06/07/1995
CMK	AK1	5,994,619	11/30/1999	Stice et al.	800	21	12/16/1996

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
CMK	AL1	WO 97/40386	10/30/1997	WIPO			Yes No
I	AM1	WO 00/40700	07/13/2000	WIPO			Yes No
CMK	AN1	WO 01/70261	09/27/2001	WIPO			Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	1	Abassi, Y.A., et al., "Evidence that Src-type tyrosine kinase activity is necessary for initiation of calcium release at fertilization in sea urchin eggs," Dev. Biol. 218:206-210, Plenum Press (February 2000).
	AS	1	Battaglia, D.E., et al., "Failure of oocyte activation after intracytoplasmic sperm injection using round-headed sperm," Fertil. Steril. 68:118-122, Elsevier Science (1997).
CMK	AT	1	Bellvé, A.R., et al., "The perinuclear matrix as a structural element of the mouse sperm nucleus," Biol. Reprod. 47:451-465, Society for the Study of Reproduction (1992).

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1669.0050001/EEF/RGMAPPLICATION NO.
MAY 11 2001
1097864,291APPLICANT
Oko and Sutovsky

TECH CENTER 1600/2900

FILING DATE
May 25, 2001GROUP
1646

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
CMK	AA2	6,011,197	01/04/2000	Strelchenko et al.	800	24	01/28/1999
	AB2	6,013,770	01/11/2000	Reeves et al.	530	367	07/21/1997
	AC2	6,013,857	01/11/2000	Deboer et al.	800	15	06/05/1995
	AD2	6,034,212	03/07/2000	Sudol et al.	530	324	06/07/1995
	AE2	6,045,799	04/04/2000	Reeves et al.	424	192.1	05/04/1998
CMK	AF2	6,211,429	04/03/2001	Machaty et al.	800	24	06/18/1998
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

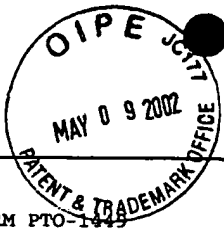
CMK	AR	2	Carroll, D.J., et al., "Identification of PLC γ -dependent and independent events during fertilization of sea urchin eggs," Dev. Biol. 206:232-247, Plenum Press (1999).
	AS	2	Chen, H.I., et al., "The WW domain of Yes-associated protein binds a proline-rich ligand that differs from the consensus established for Src homology 3-binding modules," Proc. Natl. Acad. Sci. USA 92:7819-7823, National Academy of Sciences (1995).
CMK	AT	2	Chen, H.I., et al., "Characterization of the WW domain of human Yes-associated protein and its polyproline-containing ligands," J. Biol. Chem. 272:17070-17077, American Society for Biochemistry and Molecular Biology, Inc. (1997).

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FORM PTO-1545

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Oko and SutovskyFILING DATE
May 25, 2001GROUP
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	3	Courtens, J.L., et al., "The perinuclear substance of boar, bull ram and rabbit spermatozoa," J. Ultrastruct. Res. 57:54-64, Academic Press, Inc. (1976).
	AS	3	Edirisinghe, W.R., et al., "Cytogenetic analysis of unfertilized oocytes following intracytoplasmic sperm injection using spermatozoa from a globozoospermic man," Hum. Reprod. 13:3094-3098, Oxford University Press (1998).
CMK	AT	3	Einbond, A., et al., "Towards prediction of cognate complexes between the WW domain and proline-rich ligand," FEBS Lett. 384:1-8, Elsevier Science B.V. (1996).

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FORM PTO/A-63
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
1669.0050001/EEF/RGMAPPLICATION NO.
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Oko and SutovskyFILING DATE
May 25, 2001RECEIVED
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TECHNOLOGY CENTER 1600/2900

U.S. PATENT DOCUMENTS

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	4	Escalier, D., "Failure of differentiation of the nuclear-perinuclear skeletal complex in the round-headed human spermatozoa," <i>Int. J. Dev. Biol.</i> 34:287-297, UBC Press (1990).
	AS	4	Giusti, A.F., et al., "Evidence that a starfish egg Src family tyrosine kinase associates with PLC- γ 1 SH2 domains at fertilization," <i>Dev. Biol.</i> 208:189-199, Plenum Press (April 1999).
CMK	AT	4	Giusti, A.F., et al., "Evidence that fertilization activates starfish eggs by sequential activation of a Src-like kinase and phospholipase C gamma," <i>J. Biol. Chem.</i> 275:16788-16794, American Society for Biochemistry and Molecular Biology, Inc. (June 2000).

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FORM PTO-1449

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ATTY. DOCKET NO.
1669.0050001/551/AGX

APPLICATION NO.
29/864,291

APPLICANT
Okó and Sutovsky

FILING DATE
May 25, 2001

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	5	Gordo, A.C., et al., "Injection of sperm cytosolic factor into mouse metaphase II oocytes induces different developmental fates," Biol. Reprod. 62:1370-1379, Society for the Study of Reproduction (May 2000).
/	AS	5	Hess, H., et al., "The protein complexity of the cytoskeleton of bovine and human sperm heads: the identification and characterization of cyclin II," Exp. Cell Res. 218:174-182, Academic Press, Inc. (1995).
CMK	AT	5	Hess, H., et al., "Molecular characterization of mammalian cyclin, a basic protein of the sperm head cytoskeleton," J. Cell Biol. 122:1043-1052, Rockefeller University Press (1993).

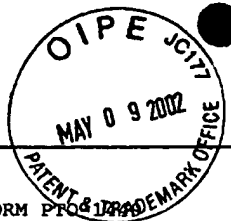
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FORM PTO-1790

INFORMATION DISCLOSURE STATEMENT

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U.S. PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	6	Hewitson, L.C., et al., "Microtubule and chromatin configurations during rhesus intracytoplasmic sperm injection: successes and failures," <i>Biol. Reprod.</i> 55:271-280, Society for the Study of Reproduction (1996).
	AS	6	Hewitson, L., et al., "Unique checkpoints during the first cell cycle of fertilization after intracytoplasmic sperm injection in rhesus monkeys," <i>Nat. Med.</i> 5:431-433, Nature Publishing Company (April 1999).
CMK	AT	6	Hurst, S., et al., "Expression of testis-specific putative actin-capping protein associated with the developing acrosome during rat spermiogenesis," <i>Mol. Reprod. Dev.</i> 49:81-91, Wiley-Liss, Inc. (1998).

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FORM PTO-1449

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APPLICATION NO.
09/864,291

APPLICANT
Oko and Sutovsky

FILING DATE
May 25, 2001

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	2	Kay, B.K., et al., "The importance of being proline: the interaction of proline-rich motifs in signaling proteins with their cognate domains," <i>FASEB J.</i> 14:231-241, Federation of American Societies for Experimental Biology (February 2000).
	AS	2	Kimura, Y., et al., "Analysis of mouse oocyte activation suggests the involvement of sperm perinuclear material," <i>Biol. Reprod.</i> 58:1407-1415, Society for the Study of Reproduction (1998).
CMK	AT	2	Korley, R., et al., "Analysis of protein composition of the mouse sperm perinuclear theca and characterization of its major protein constituent," <i>Biol. Reprod.</i> 57:1426-1432, Society for the Study of Reproduction (1997).

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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 1669.0050001/EEF/RGM	APPLICATION NO. 09/864,291
	APPLICANT Oko and Sutovsky	
	FILING DATE May 25, 2001	GROUP 1646

U.S. PATENT DOCUMENTS							
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
CMK	AR	8	Leclerc, P., et al., "Distribution and localization of calmodulin-binding proteins in bull spermatozoa," Biol. Reprod. 62:1875-1881, Society for the Study of Reproduction (June 2000).				
/	AS	8	Lee, S.C., et al., "Sperm factor initiates capacitance and conductance changes in mouse eggs that are more similar to fertilization than IP ₃ - or Ca ²⁺ - induced changes," Dev. Biol. 232:127-148, Plenum Press (April 2001).				
CMK	AT	8	Longo, F.J., et al., "Basic proteins of the perinuclear theca of mammalian spermatozoa and spermatids: A novel class of cytoskeletal elements," J. Cell Biol. 105:1105-1120, Rockefeller University Press (1987).				

EXAMINER <i>CMK</i>	DATE CONSIDERED 1/5/04
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	2	Machaty, Z., et al., "Porcine oocyte activation induced by a cytosolic sperm factor," Mol. Reprod. Dev. 57:290-295, Wiley-Liss, Inc. (November 2000).
/	AS	2	Mehlmann, L., et al., "SH2 domain-mediated activation of phospholipase C is not required to initiate Ca^{2+} release at fertilization in mouse eggs," Dev. Biol. 203:221-232, Plenum Press (1998).
CMK	AT	2	Okitsu, O., et al., "Activation of bovine oocyte matured in vitro by injection of bovine and human spermatozoa or their cytosolic fractions," Zygote 9:89-95, Cambridge University Press (February 2001).

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FORM PTO-14

INFORMATION DISCLOSURE STATEMENT

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	AM						Yes No
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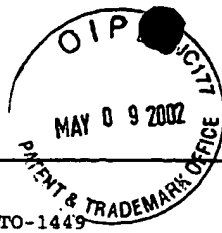
CMK	AR	11	Oko, R. and Maravei, D., "Protein composition of the perinuclear theca of bull spermatozoa," <i>Biol. Reprod.</i> 50:1000-1014, Society for the Study of Reproduction (1994).
/	AS	11	Oko, R., et al., "A novel testicular protein, with sequence similarities to a family of lipid binding proteins, is a major component of the rat sperm perinuclear theca," <i>Dev. Biol.</i> 166:235-245, Plenum Press (1994).
CMK	AT	11	Oko, R., et al., "Developmental expression and possible role of perinuclear theca proteins in mammalian spermatozoa," <i>Reprod. Fertil. Dev.</i> 7:777-797, CSIRO (1995).

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Oko and SutovskyFILING DATE
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

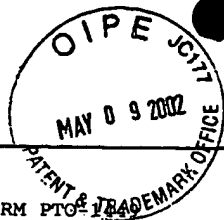
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CMK	AR	12	Oko, R., et al., "Distribution and possible role of perinuclear theca proteins during bovine spermiogenesis," <i>Microsc. Res. Tech.</i> 32:520-532, Wiley-Liss, Inc. (1995).
/	AS	12	Oko, R., et al., "Germ cell-specific DNA and RNA binding proteins p48/52 are expressed at specific stages of male germ cell development and are present in the chromatoid body," <i>Mol. Reprod. Dev.</i> 44:1-13, Wiley-Liss, Inc. (1996).
CMK	AT	12	Oko, R., "Occurrence and formation of cytoskeletal proteins in mammalian spermatozoa," <i>Andrologia</i> 30:193-206, Blackwell Wissenschafts Verlag GmbH (1998).

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FORM PTO-1549

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	13	Oko, R. and Clermont, Y., "Spermiogenesis," in: <i>Encyclopedia of Reproduction</i> Volume 4, Knobil, E. and Neill, J.D., eds., Academic Press, Inc., San Diego, California, pp. 602-609 (1998).
	AS	13	Oko, R., et al., "The sperm head cytoskeleton," in: <i>Proceedings of the VIIth International Congress of Andrology</i> , Robaire, B., et al., eds., Medimond Publishing Company, Englewood, New Jersey, pp. 37-51 (June 2001).
CMK	AT	13	Parrington, J., "Does a soluble sperm factor trigger calcium release in the egg at fertilization?" <i>J. Andrology</i> 22:1-11, Allen Press (January 2001).

EXAMINER

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FORM PTO-1255

INFORMATION DISCLOSURE STATEMENT

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Oko and SutovskyFILING DATE
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U.S. PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	14	Parrington, J., et al., "The soluble mammalian sperm factor protein that triggers Ca ²⁺ oscillations in eggs: evidence for expression of mRNA(s) coding for sperm factor protein(s) in spermatogenic cells," <i>Biol. Cell.</i> 92:267-275, Elsevier Science (July 2000).
	AS	14	Parrington, J., et al., "Calcium oscillations in mammalian eggs triggered by a soluble sperm protein," <i>Nature</i> 379:364-368, Macmillan Journals Ltd. (1996).
CMK	AT	14	Perry, A.C.F., et al., "A novel trans-complementation assay suggests full mammalian oocyte activation is coordinately initiated by multiple submembrane sperm compartments," <i>Biol. Reprod.</i> 60:747-755, Society for the Study of Reproduction (March 1999).

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DATE CONSIDERED

7/5/04

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APPLICANT
Oko and Sutovsky

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U.S. PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	15	Perry, A.C., et al., "Mammalian oocyte activation by the synergistic action of discrete sperm head components: induction of calcium transients and involvement of proteolysis," Dev. Biol. 217:386-393, Academic Press, Inc. (January 2000).
	AS	15	Pouresmaeili, F., et al., "Molecular cloning and structural analysis of the gene encoding PERF 15 protein present in the perinuclear theca of the rat spermatozoa," Biol. Reprod. 57:655-659, Society for the Study of Reproduction (1997).
CMK	AT	15	Prochazka, R. and Fiser, P.S., "Behaviour of blastomere nuclei fused to mouse oocytes is affected by oocyte enucleation and age," Reprod. Nutr. Dev. 35:695-701, EDP Sciences (1995).

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	16	Runft, L.L., et al., "Sperm extract injection into ascidian eggs signals Ca ²⁺ release by the same pathway as fertilization," <i>Development</i> 127:3227-3236, Company of Biologists Ltd. (August 2000).
	AS	16	Runft, L.L., et al., "Calcium release at fertilization of <i>Xenopus</i> eggs requires type I IP(3) receptors, but not SH2 domain-mediated activation of PLC γ or G(q)-mediated activation of PLC β ," <i>Dev. Biol.</i> 214:399-411, Plenum Press (October 1999).
CMK	AT	16	Rybouchkin, A., et al., "Analysis of the oocyte activating capacity and chromosomal complement of round-headed human spermatozoa by their injection into mouse oocyte," <i>Hum. Reprod.</i> 11:2170-2175, Oxford University Press (1996).

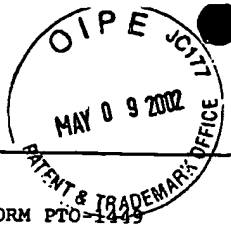
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	17	Rybouchkin, A.W., et al., "Fertilization and pregnancy after assisted oocyte activation and intracytoplasmic sperm injection in a case of round-headed sperm associated with deficient oocyte activation capacity," <i>Fertil. Steril.</i> 68:1144-1147, American Society for Reproductive Medicine (1997).
	AS	17	Sato, Y., et al., Adenophostin, a potent agonist of the inositol 1, 4, 5-triphosphate receptor, is useful for fertilization of mouse oocytes injected with round spermatids leading to normal offspring," <i>Biol. Reprod.</i> 58:867-873, Society for the Study of Reproduction (1998).
CMK	AT	17	Schmitt, M.C., et al., "A novel, testis-specific member of the cellular lipophilic transport protein superfamily, deduced from a complementary deoxyribonucleic acid clone," <i>Biol. Reprod.</i> 51:239-245, Society for the Study of Reproduction (1994).

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	18	Schultz, R.M. and Kopf, G.S., "Molecular basis of mammalian egg activation," Curr. Topics Dev. Biol. 30:21-62, Academic Press, Inc. (1995).
/	AS	18	Sette, C., et al., "Involvement of phospholipase C γ 1 in mouse egg activation of mouse eggs by microinjection of a truncated c-kit tyrosine kinase present in spermatozoa," J. Cell Biol. 124:1063-1074, Rockefeller University Press (1998).
CMK	AT	18	Shearer, J., et al., "Role of phospholipase C gamma at fertilization and during mitosis in sea urchin eggs and embryos," Development 126:2273-2284, Company of Biologists Ltd. (May 1999).

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	19	Sofikitis, N., et al., "The early haploid gamete develops a capacity for fertilization after the coalescence of the proacrosomal granules," Hum. Reprod. 12:2713-2719, Oxford University Press (1997).
	AS	19	Sudol, M., "Yes-associated protein (YAP65) is a proline-rich phosphoprotein that binds to the SH3 domain of the Yes proto-oncogene product," Oncogene 9:2145-2152, Stockton Press (1994).
CMK	AT	19	Sudol, M., et al., "Characterization of a novel protein-binding module - the WW domain," FEBS Lett. 369:67-71, Elsevier Science B.V. (1995).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	20	Sudol, M., "From Src homology domains to other signaling modules: proposal of the protein recognition code," <i>Oncogene</i> 17:1469-1474, Stockton Press (1998).
	AS	20	Sudol, M., et al., "New wrinkles for an old domain," <i>Cell</i> 103:1001-1004, Cell Press (December 2000).
CMK	AT	20	Sutovsky, P., et al., "Intracytoplasmic sperm injection for Rhesus monkey fertilization results in unusual chromatin, cytoskeletal, and membrane events, but eventually leads to pronuclear development and sperm aster assembly," <i>Hum. Reprod.</i> 11:1703-1712, Oxford University Press (1996).

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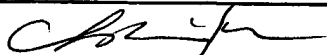
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AM						Yes No
AN						Yes No
AO						Yes No
AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	21	Sutovsky, P., et al., "Fate of the sperm mitochondria, and the incorporation, conversion, and disassembly of the sperm tail structures during bovine fertilization," <i>Biol. Reprod.</i> 55:1195-1205, Society for the Study of Reproduction (1996).
	AS	21	Sutovsky, P., et al., "The removal of the sperm perinuclear theca and its association with the bovine oocyte surface during fertilization," <i>Dev. Biol.</i> 188:75-84, Plenum Press (1997).
CMK	AT	21	Sutovsky, P., et al., "On-stage selection of single round spermatids using a vital, mitochondrion-specific fluorescent probe MitoTracker™ and high resolution differential interference contrast microscopy," <i>Hum. Reprod.</i> 14:2301-2312, Oxford University Press (September 1999).

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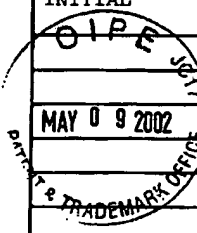
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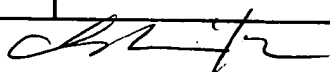
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	AN						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	22	Sutovsky, P. and Schatten, G., "Paternal contributions to the mammalian zygote: fertilization after sperm-egg fusion," <i>Int. Rev. Cytol.</i> 195:1-65, Academic Press, Inc. (November 1999).
/	AS	22	Sutovsky, P., et al., "Ubiquitin-based sperm assay for the diagnosis of male factor infertility," <i>Hum. Reprod.</i> 16:250-258, Oxford University Press (February 2001).
CMK	AT	22	Swann, K., "A cytosolic sperm factor stimulates repetitive calcium increases and mimics fertilization in hamster eggs," <i>Development</i> 110:1295-1302, Company of Biologists Ltd. (1990).

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		AM					Yes No
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		AP					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	23	Talian, J.C., et al., "A rapid procedure for preparing fluorescein-labelled specific antibodies from whole antiserum: its use in analyzing cytoskeletal architecture," <i>J. Cell Biol.</i> 97:1277-1282, Rockefeller University Press (1983).
	AS	23	Tanaka, H., et al., "Isolation and characterization of cDNA clones specifically expressed in testicular germ cells," <i>FEBS Lett.</i> 355:4-10, Elsevier Science B.V. (1994).
CMK	AT	23	Tang, T.S., et al., "Ca ²⁺ oscillations induced by a cytosolic sperm protein factor are mediated by a maternal machinery," <i>Development</i> 127:1141-1150, Company of Biologists Ltd. (March 2000).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	24	Terada, Y., et al., "Microfilament stabilization by jasplakinolide arrests oocyte maturation, cortical granule exocytosis, sperm incorporation, cone resorption, and cell-cycle progression, but not DNA replication, during fertilization in mice," <i>Mol. Reprod. Dev.</i> 56:89-98, Wiley-Liss, Inc. (May 2000).
/	AS	24	Tovich, P.R., et al., "Isolation and perinuclear immunolocalization of somatic histones H2B and H3 in bull sperm heads," <i>J. Androl. (Suppl.): Abstract p. 19</i> , (May/June 2001).
CMK	AT	24	Van Steirteghem, A.C., et al., "High fertilization and implantation rates after intracytoplasmic sperm injection," <i>Hum. Reprod.</i> 8:1061-1066, Oxford University Press (1993).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	25	Von Bulow, M., et al., "Molecular nature of calicin, a major basic protein of the mammalian sperm head cytoskeleton," <i>Exp. Cell Res.</i> 219:407-413, Academic Press, Inc. (1995).
	AS	25	Von Bulow, M., et al., "Cp β 3, a novel isoform of an actin-binding protein, is a component of the cytoskeletal calyx of the mammalian sperm head," <i>Exp. Cell. Res.</i> 233:216-224, Academic Press, Inc. (1997).
CMK	AT	25	Wilding, M., et al., "A soluble extract from human spermatozoa activates ascidian oocytes," <i>Dev. Growth Differ.</i> 39:9-36, Japanese Society of Developmental Biologists (1997).

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	AO						Yes No
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CMK	AR	26	Witton, C.J., et al., "Injection of a boar sperm factor causes calcium oscillations in oocytes of the marsupial opossum <i>Monodelphis domestica</i> ," <i>Zygote</i> 7:271-277, Cambridge University Press (November 1999).
/	AS	26	Wolf, E., et al., "Nuclear transfer in mammals: recent developments and future perspectives," <i>J. Biotechnol.</i> 65:99-110, Elsevier Science (1998).
CMK	AT	26	Wolf, D.P., et al., "Nuclear transfer in the rhesus monkey: practical and basic implications," <i>Biol. Reprod.</i> 60:199-204, Society for the Study of Reproduction (February 1999).

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CMK	AR	27	Wolny, Y.M., et al., "Human glucosamine-6-phosphate isomerase, a homologue of hamster oscillin, does not appear to be involved in Ca ²⁺ release in mammalian oocytes," Mol. Reprod. Dev. 52:277-287, Wiley-Liss, Inc. (March 1999).
/	AS	27	Wolosker, H., et al., "Molecularly cloned mammalian glucosamine-6-phosphate deaminase localizes to the transporting epithelium and lacks oscillin activity," FASEB J. 12:91-99, Federation of American Societies for Experimental Biology (1998).
CMK	AT	27	Wu, H., et al., "Partial characterization of the calcium-releasing activity of porcine sperm cytosolic extracts," Dev. Biol. 203:369-381, Plenum Press (1998).

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CMK	AR	28	Yagi, R., et al., "A WW domain-containing yes-associated protein (YAP) is a novel transcriptional co-activator," <i>EMBO J.</i> 18:2551-2562, Oxford University Press (May 1999).
/	AS	28	Yang, X., et al., "Nuclear transfer in cattle: effect of nuclear donor cells, cytoplasmic age, co-culture, and embryo transfer," <i>Mol. Reprod. Dev.</i> 35:29-36, Wiley-Liss, Inc. (1993).
CMK	AT	28	Yazawa, H., et al., "Comparison of oocyte activation and Ca ²⁺ oscillation-inducing abilities of round/elongated spermatids of mouse, hamster, rat, rabbit and human assessed by mouse oocyte activation assay," <i>Hum. Reprod.</i> 15:2582-2590, Oxford University Press (December 2000).

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	29	Yazawa, H., et al., "Oocyte activation and Ca ²⁺ oscillation-inducing abilities of mouse round/elongated spermatids and the developmental capacities of embryos from spermatid injection," <i>Hum. Reprod.</i> 16:1221-1228, Oxford University Press (February 2001).
	AS	29	
	AT	29	

EXAMINER

DATE CONSIDERED

4/5/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.